

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 through 70 (canceled).

71(new). A control system for controlling apparatus remotely in response to changes of a variable, which control system comprises a sensor module to sense the variable, a controller module operatively associated with the sensor module and including a radio transceiver operative to transmit a control signal when the variable changes and to transmit and receive system management signals, and a responder module arranged remote from the controller module and including a radio transceiver operative to receive the control signal and to receive and transmit system management signals, wherein the system is programmable to define the control signal.

72(new). A control system as claimed in claim 71 wherein said sensor module senses an electrical input.

73(new). A control system as claimed in claim 72 wherein the electrical input is generated when an intruder alarm is switched on

or off.

74(new). A control system as claimed claim 72 wherein the electrical input is generated by a building management system.

75(new). A control system as claimed in claim 71 wherein said sensor module senses a natural variable.

76(new). A control system as claimed in claim 71 wherein the responder module is programmable to function as a repeater for said signals.

77(new). A control system as claimed in claim 71 wherein the radio transceiver of the controller module is of the same form as the radio transceiver of the responder module.

78(new). A control system as claimed in claim 71 for controlling apparatus comprising a plurality of units wherein the system comprises a plurality of said sensor modules respectively responsive to a plurality of said variables and a plurality of responder modules respectively associated with said units.

79(new). A control system as claimed in claim 78 wherein at least some of said sensor modules sense mutually different

variables.

80(new). A control system as claimed in claim 79 wherein the system management signals include identity signals individual to the responder modules.

81(new). A control system as claimed in claim 80 wherein the system management signals include identity signals individual to a set of responder modules arranged in a group or a zone, which set operate together.

82(new). A control system as claimed in claim 78 wherein the controller module includes a status array recording the proper status of the responder modules.

83(new). A control system as claimed in claim 82 wherein the system includes reset means operative to check the actual status of each responder module against the recorded status and to indicate any discrepancy.

84(new). A control system as claimed in claim 78 wherein the controller module is operative to control units of the controlled apparatus by transmitting a global switch control signal associated with the identity signals of the corresponding responder modules

followed by status request signals to those responder modules seriatim.

85(new). A control system as claimed in claim 84 wherein each responder module is arranged to respond to its status request signal by transmitting an actual status signal for receipt by the controller module and comparison with the record in the status array.

86(new). A control system as claimed in claim 85 wherein, if for any responder module there is a discrepancy between the actual status and the record, the controller module transmits a correction signal to change the status of that responder module to its proper status.

87(new). A control system as claimed in claim 86 wherein on receipt of the correction signal the responder module transmits a confirmation signal to the controller module.

88(new). A control system as claimed in claim 87 wherein the responder module concerned is recorded as faulty if no confirmation signal is received by the controller module.

89(new). A control system as claimed in claim 78 wherein said

system includes a computer whereby the controller module is programmed and an interface whereby control and/or management information of the system is delivered to and/or from the computer.

90(new). A control system as claimed in claim 89 wherein said computer is programmable to provide a schedule under which the control varies with time.

91(new). A control system as claimed in claim 89 wherein the computer is programmable to partition the system into groups and/or zones.

92(new). A control system as claimed in claim 89 wherein the computer is programmable to define individual identities for the responder modules.

93(new). A control system as claimed in claim 89 wherein the computer is programmable to define the response of a specific responder module.

94(new). A control system as claimed in claim 89 wherein the system comprises a plurality of said controller modules.

95(new). A control system as claimed in claim 78 wherein the

system is configured and arranged to operate as a building management system in which all communication among the sensor modules, the responder modules and the or each controller module is wireless.

96(new). A building management system comprising a plurality of sensor modules operative at a plurality of sensor locations to sense one or more variables, each sensor module being associated with a radio transmitter operative in use to transmit from the sensor location radio control signals related to its sensed variable, a plurality of responder modules operative at a plurality of responder locations to control apparatus, each responder module in use receiving radio control signals related to the variables sensed by the sensor modules and controlling said apparatus automatically in response thereto, the sensor modules and responder modules being mutually similar in including a common radio transceiver and signal processor and mutually different in including specific functional variations, and a controller module operatively associated the sensor modules, which controller module is programmable to define the control signals.

97(new). A building management system as claimed in claim 96 wherein the controller module receives radio control signals from the sensor modules and transmits radio control signals to the

responder modules is similar in form to the sensor modules and the responder modules.

98(new). A building management system as claimed in claim 96 wherein the controller module has a functional variation comprising a manual control operable to adjust output from the controlled apparatus.

99(new). A building management system as claimed in claim 96 wherein the controller module has a functional variation comprising a display panel operative in use to show the operative status of sensor modules and/or responder modules.

100(new). A building management system as claimed in claim 96 including a portable controller module.

101(new). A method of controlling facilities of a building in response to changes of a plurality of variables, which method comprises (a) sensing said changes at a plurality of sensor locations, (b) programmably defining control signals representing said changes, (c) transmitting the defined control signals from the sensor locations to a plurality of facility locations for control of facilities thereat, and (d) transmitting management signals between the sensor locations and the facility locations, wherein

all said control signal and management signals are wireless.

102(new). A method of controlling facilities of a building as claimed in claim 101 wherein the control signals comprise signals representing occupancy of the building, ambient temperature, ambient light level, power supply and/or time.

103(new). A method of controlling facilities of a building as claimed in claim 102 wherein the management signals comprise signals representing said locations, status of facilities at said locations, requests for said status, facility correction and/or status confirmation.

104(new). A method of controlling facilities of a building as claimed in claim 101 wherein at least some of said signals are transmitted by way of a central location whereat said signals are monitored by a cyclical redundancy check.

105(new). A method of controlling facilities of a building as claimed in claim 103 wherein the definition of the control signals is programmed from said central location.